

Safety Data Sheet



Section 1 - Chemical Identification

Product Name: L-Aspartic acid
Catalog Numbers: CI-1610
SDS number : 57
Intended use: Laboratory use

Company Crossings, Inc.
3648 S. Folsom
Lincoln, NE 68522
402-435-7942

Website: www.crossingsinc.com
email: info@crossingsinc.com
Emergency phone:
ChemTel: 800-255-3924

Section 2 - Hazards Identification

Classification: Material is not hazardous

Label elements: None.

Other Hazards: Not applicable

Section 3 - Composition, Information on Ingredients

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS#</u>	<u>%/W</u>
L-Aspartic acid		56-84-8	>99

Section 4 - First Aid Measures

GENERAL ADVICE: Consult a physician. Show this safety data sheet to the doctor in attendance.

EYES: Flush eyes with plenty of water. **If eye irritation persists:** Seek medical aid.

SKIN: Wash skin with plenty of water. Seek medical aid if irritation develops or persists.

INGESTION: Wash out mouth. Do not induce vomiting unless suggested by a doctor. Seek medical aid.

INHALATION: Remove to fresh air immediately. Seek medical aid.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide(CO2)

Fire Hazards Arising from Chemical: Carbon monoxides, Carbon dioxide, Nitrogen oxides

Specific Methods: Firefighters wear a self-contained respirator and full protective suit.

Section 6 - Accidental Release Measures

Personal Precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Recovery method: Avoid dust creation. Pick-up mechanically. Dispose of material in according to local, state and federal regulations.

Section 7: Handling and Storage

Handling: Keep container closed when not in use- store in a clean, dry and ventilated area. Wash hands after handling.

Storage: Keep container closed when not in use- store in a clean, dry and well area. Store away from oxidizing agents. See section 10 for conditions to avoid during storage.

Section 8 - Exposure Controls, Personal Protection

Chemical Contains no substances with occupational exposure limit values.

Engineering Controls: Use in an adequate ventilated area.

Eye and Face Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin: Wear appropriate quality gloves.

Clothing: Wear protective clothing. Do not remove dust from clothing by blowing or shaking.

Respirators: Use an approved respirator. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

General Hygiene: Wash hands after handling and before handling any food or drink.

SECTION 9 - Physical and Chemical Properties

Physical state: Powder

Appearance: White

Odor: None

PH: 2.8 @ 4.5g/l @ 20°C 68°F

Melting point: >300°C (>572°F)

Vapor pressure: N/A

Vapor density: N/A

Relativity density: 1.660g/cm³

Evaporation rate: N/A.

Viscosity: not available.

Auto-ignition:

Freezing point: N/A

Decomposition temperature: N/A.

Section 10 - Stability and Reactivity

Stability: Stable under normal temperature and pressure conditions.

Reactivity: No data available

Conditions to avoid: No data available

Incompatible materials: Strong acids, Strong bases, Strong oxidizing agents, Nitric acid.

Hazardous Decomposition: No data available. In case of fire see Section 5

Section 11 - Toxicological Information

Toxicological effects

Acute toxicity:

LD50 Oral - Rat - 5,000 mg/kg Inhalation:

LD50 Dermal - Rabbit - 5,000 mg/kg

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation: Dust will cause irritation.

Respiratory sensitization: No data available.

Skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity OSHA Specifically Regulated

Substances (29 CFR 1910.1001-1050) Not listed.

Reproductive toxicity: No data available.

Specific target organ toxicity - single exposure: No data available.

Specific target organ toxicity - repeated exposure: No data available.

Aspiration hazard: Not available.

Chronic effects: No data available.

Section 12 - Ecological Information

Eco-toxicity: No data

Mobility in soil: No data.

Persistence and Degradability: No data

Bio-accumulative Potential: No data.

Other adverse effects: No data available

Section 13 - Disposal Considerations

Offer surplus and non-recyclable chemicals to a licensed disposal company.

Dispose of according to applicable federal, state and local regulation.

Section 14 - Transport Information

Not Hazardous - Not regulated by DOT / TDG / IMDDG / IATA

Section 15 - Regulatory Information

US Federal Regulations:

CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.

SARA 313 Title III Section 302: Not regulated.

SARA 313 Title III Section 304: Not regulated

SARA 313 Title III Section 313: Not regulated.

SARA Title III Sections 311/312 Hazardous Categories: No

State Regulations: California Proposition 65: Not listed

Massachusetts (PTK): Aspartic acid CAS No 56-84-8

New Jersey (RTK): Aspartic acid CAS No 56-84-8

Section 16 – OTHER INFORMATION

HMIS Rating: Health- 0, Chronic Health- 0 , Flammability- 0, Physical Hazard -0

NFPA Rating: Health Hazard- 0, Fire Hazard- 0, Reactivity Hazard- 0

The information provided in the SDS is believed to be correct to the best of our knowledge and is attended only as guidance for the safe use, storage and disposal of the product. Crossings Inc, cannot assure the accuracy of the information provided and shall not be responsible or liable for any damage or losses resulting from use.

Date: November 10, 2015